



ENERGY ASSURANCE DAILY

Friday Evening, January 06, 2017

Electricity

Exelon's 855 MW Quad Cities Nuclear Unit 1 in Illinois Reduced to 85 Percent by January 6

On the morning of January 5 the unit was operating at 99 percent.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2017/>

El Segundo Energy Center's 263 MW Gas-fired Unit 5/6 in California Shut by January 5

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201701051515.html>

Energy Northwest's 1,107 MW Columbia Nuclear Generating Station in Washington Sets Generation Record

Energy Northwest reported its Columbia nuclear generating station in Richland, Washington sent 9.6 million MW of electricity to the grid in 2016 despite two unplanned outages. The previous record was 9.5 million MW set in 2014.

The record came despite two setbacks during the year: an unplanned outage in March, the first in more than six years for the station; and an equipment malfunction at the Bonneville Power Administration's Ashe Substation, which required Columbia to power down for a week in December 2016. Energy Northwest says the plant's output has been increasing in part due to work performed during the plant's biennial refueling and maintenance outages.

<https://www.energy-northwest.com/whoware/news-and-info/Pages/Columbia-sets-new-record.aspx>

DOE Releases Second Installment of Quadrennial Energy Review January 6

The Department of Energy (DOE) on Friday announced the release of the second installment of the Quadrennial Energy Review (QER), which focuses on the national security, environmental protection, and economic development imperatives of the U.S. electricity system. The second installment, titled "Transforming the Nation's Electricity System," includes 76 electricity sector recommendations for managing the risks and opportunities of the 21st Century. The first installment, "Energy Transmission, Storage, and Distribution Infrastructure," was published in April 2015, focusing on the infrastructures that transmit, store, and distribute energy—pipes, wires, rail, highways, and waterways, and associated vessels, vehicles, and rolling stock. Of the initial report's 63 recommendations, 21 are fully or partially reflected in federal law and 29 have been fully implemented through actions by the Administration.

<https://energy.gov/articles/administration-releases-second-installment-quadrennial-energy-review>

<https://energy.gov/epsa/quadrennial-energy-review-qer>

Petroleum

Phillips 66 Reports Power Failure, Unplanned Breakdown at Its 139,000 b/d Wilmington, California Refinery January 5

Phillips 66 on Thursday reported that a power supply failure at its Wilmington, California refinery near Los Angeles led to an unplanned breakdown, according to a filing with state pollution regulators. The incident resulted in flaring and sulfur dioxide emissions, and Phillips 66 on Friday warned of planned flaring at the facility from January 7–13. The refinery has two linked facilities about five miles apart in Carson and Wilmington. The former processes crude oil while the latter upgrades the feedstocks into finished petroleum products.

Reuters, 17:45 January 5, 2017

Reuters, 17:26 January 5, 2017

Shell Confirms Process Unit Upset, Flaring at Its Deer Park, Texas Facility January 6

Royal Dutch Shell confirmed unplanned flaring due to a process unit upset at its Deer Park, Texas facility on January 6. Shell operates a 285,500 b/d refinery at the facility that also houses a chemical plant.
Reuters, 12:10 January 6, 2017

U.S. Crude Oil Exports Increase by 106,000 b/d in November – U.S. Census Bureau

U.S. crude oil exports reached 597,000 b/d in November compared with 491,000 b/d the October, foreign trade data from the U.S. Census Bureau showed on Friday. Exports to Canada accounted for 351,000 b/d, or nearly 59% of total exports.
Reuters, 9:00 January 6, 2017

Pembina Pipeline Receives Approvals for North East British Columbia Expansion

Pembina Pipeline Corporation on Thursday announced it initiated construction on the expansion of its pipeline infrastructure in northeast British Columbia (NEBC) after receiving the necessary regulatory approvals. The expansion will add approximately 90-miles of 12-inch diameter pipeline with a base design capacity of up to 75,000 b/d that will parallel much of the existing Blueberry pipeline system northwest of Taylor, B.C. to the Highway/Blair Creek area of B.C. The NEBC Expansion will provide a conduit for natural gas liquids and condensate produced in the liquids-rich Montney resource play to access the company's downstream pipeline systems that feed into markets in the Edmonton and Fort Saskatchewan, Alberta area. Pembina anticipates bringing the NEBC expansion on-stream in late 2017.

<http://www.pembina.com/media-centre/news-releases/news-details/?nid=135348>

Natural Gas

Update: Dominion Transmission Evaluating Necessary Repairs at Its Lightburn Storage Facility in West Virginia after Unplanned Outage December 28

Dominion Transmission, Inc. (DTI) on Thursday said it was still evaluating repairs necessary after units 1–5 at its Lightburn Storage Facility in Lewis County, West Virginia experienced an unplanned outage on December 28. Repairs have begun on unit 4, which is expected to return to service early next week, according to DTI. Units 1, 2, 3, and 5 are expected to return to service no earlier than February 1. According to 2014 data from the U.S. Energy Information Administration's Energy Mapping System, the Lightburn facility is comprised of a 44 MMcf/d extraction plant with approximately 5,028 barrels of oil equivalent of liquid natural gas storage capacity, which is equivalent to approximately 29.2 MMcf of underground natural gas storage capacity.

http://escript.dom.com/jsp/info_post.jsp?&company=dti#

<https://www.eia.gov/state/maps.cfm>

Other News

Nothing to report.

International News

Saudi Arabia, Kuwait Cut January Oil Production to Agreed OPEC Targets – Sources

Saudi Arabia cut oil output in January by at least 486,000 b/d to 10.058 million b/d, fully implementing its output target in accordance with the Organization of the Petroleum Exporting Countries' (OPEC's) agreement to reduce output, according to a Gulf source familiar with Saudi oil policy. Kuwait also reduced oil production in January to around 2.707 million b/d, meeting its output target under the OPEC agreement, a Kuwaiti oil official said on Friday. OPEC in late November agreed to output cuts as of January 1 that would bring production to 32.50 million b/d to curb a global supply surplus and prop up prices.

Reuters, 5:49 January 6, 2017

Reuters, 13:54 January 5, 2016

Energy Prices

U.S. Oil and Gas Prices January 6, 2017			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	53.93	53.61	33.92
NATURAL GAS Henry Hub \$/Million Btu	3.30	3.68	2.32

Source: Reuters

Links

This Week in Petroleum from the U.S. Energy Information Administration (EIA)

<http://www.eia.gov/oog/info/twip/twip.asp>

Updated every Wednesday.

Weekly Petroleum Status Report from EIA

http://www.eia.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html

Updated after 10:30 AM & 1:00 PM ET every Wednesday.

Natural Gas Weekly Update from EIA

<http://www.eia.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM ET every Thursday.

ENERGY ASSURANCE DAILY

Energy Assurance Daily provides a summary of public information concerning current energy issues. Published Monday through Friday to inform stakeholders of developments affecting energy systems, flows, and markets, it provides highlights of energy issues rather than a comprehensive coverage. *Energy Assurance Daily* is updated online Monday through Friday after 5:00 p.m. ET. For more information, visit the Infrastructure Security and Energy Restoration (ISER) website at:

<http://www.oe.netl.doe.gov/ead.aspx>

Please direct comments and questions to: ead@oe.netl.doe.gov